



NEW BOSTON SPACE FORCE STATION

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OCT. 20, 2021, WOOD ENERGY SUMMIT

NEW BOSTON SPACE FORCE STATION, NEW HAMPSHIRE

New Boston Space Force Station hosted a wood-energy fact-finding summit, Oct. 20, 2021, to discuss using wood as an alternate power source, the potential cost savings, and ways to meet the U.S. Space Force renewable energy targets.

The summit, held on National Bioenergy Day, was a collaborative forum led by Lt. Col. David Zesinger, NBSFS commander and included four panel sessions:

- The NH wood energy industry
- The forest as fuel
- Federal and state regulatory policy regarding wood energy
- Wood energy equipment

The state of New Hampshire regards wood energy as renewable and recent EPA policy guidance states wood energy could potentially be regarded as carbon neutral. Each panel had a moderator who led the panel's discussion. Panelists shared their experiences and perspectives on wood energy and fielded questions from the local audience. The local audience included USSF/USAF personnel, representatives from the local communities as well as the New Hampshire Congressional Delegation. The summit was also accessible via Zoom and included an audience from a National Bioenergy Day event.

After the panel sessions, NBSFS hosted a "burger burn" lunch, followed by a guided site tour of the 2800-acre NBSFS woodland and historic sites.

Panel No.1: NH Wood Energy Industry

Synopsis: This panel gave an overview and history of wood energy in NH, representing the viewpoint of industry stakeholders engaged in producing wood energy, e.g., wood biomass-fired electricity production and/or combined heat and power (CHP), or wood heating. The panel also addressed the market for wood energy products and how that affects the timber industry in NH and wider New England.

Moderator & Panelists: Charlie Niebling, Innovative Natural Resource Solutions LLC

1. Elizabeth (Lynn) Tillotson: Vice President, Granite Shore Power
2. Jasen Stock: Executive Director, NH Timberland Owners Association
3. Clayton Mitchell: Lecturer, Natural Resources and the Environment, UNH
4. Bob Hayden: President, Standard Power

Panel No.2: The Forest Resource as Fuel

Synopsis: The panel discussed the viewpoints of preserving and managing the woodlands, as well as their optimal use and role in the wider context of addressing climate change, e.g., "carbon debt" (sequestration vs. substitutional benefit), using wood as fuel, etc. The panel gave a short review of the ongoing research regarding this topic.

Moderator & Panelists: Jeff Oja, Installation Manager, NBSFS

1. Patrick Hackley: NH State Forester
2. Andrew Fast: Associate State Specialist, UNH Cooperative Extension
3. Sean Drake: Forest Manager, NBSFS
4. Lew McCreery (via Zoom): USDA Forest Service, Forest Products Technologist



Panel No.3: Federal and state policy and regulatory considerations

Synopsis: This panel discussed the NH State & Federal regulatory environment surrounding the wood energy topic, including: Renewable Energy Credits (RECs) for wood energy; the Regional Greenhouse Gas Initiative (RGGI) market for CO2 credits and how that may affect wood energy; the NH State Renewable Portfolio Standard (RPS) and how that applies to wood energy; and the NH State legislature on wood energy.

Moderator & Panelists: Joseph Fontaine, Technical Programs Manager, NH DES

1. Karen Cramton: NH Department of Energy, Sustainable Energy Division Director
2. Dan Wilson (via Zoom): President, Wilson Engineering (USDA Forestry)
3. Carrie Annand (via Zoom): USA Biomass / National Bioenergy Day
4. Bob Hayden: Standard Power

Panel No.4: Wood Energy Equipment

Synopsis: This panel reviewed the current state of wood power equipment, including CHP, and wood heating, including where the technology is at today and where it may be going in the future, e.g., to address air quality issues, improved cycle efficiency, and best scale for market entry (e.g., municipal vs. utility).

Moderator & Panelists: Jason Aftanas, Base Civil Engineer, NBSFS

1. Larry Price (via Zoom): CEO, NextGen Biomass
2. Steve Walker: CEO, IMBY Energy
3. Mark Froling: CEO, Froling Energy
4. Greg Foote: NLine Energy



PHOTO SUMMARY



Commander Lt Col David Zesinger opens the summit with a presentation on the NBSFS mission.



Charlie Neibling (left) kicks off the panel sessions as the Panel 1 moderator:
(left to right) Clay Mitchell, Lynn Tillotson, Bob Hayden and Jasen Stock.



Panel 1: Charlie Niebling, Clay Mitchell, Lynn Tillotson, Bob Hayden and Jasen Stock

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Panel 2: Moderator Jeff Oja; (left to right) Sean Drake, Patrick Hackley, Andy Fast, (Lew McCreery Zoom)



Panel 2 and audience



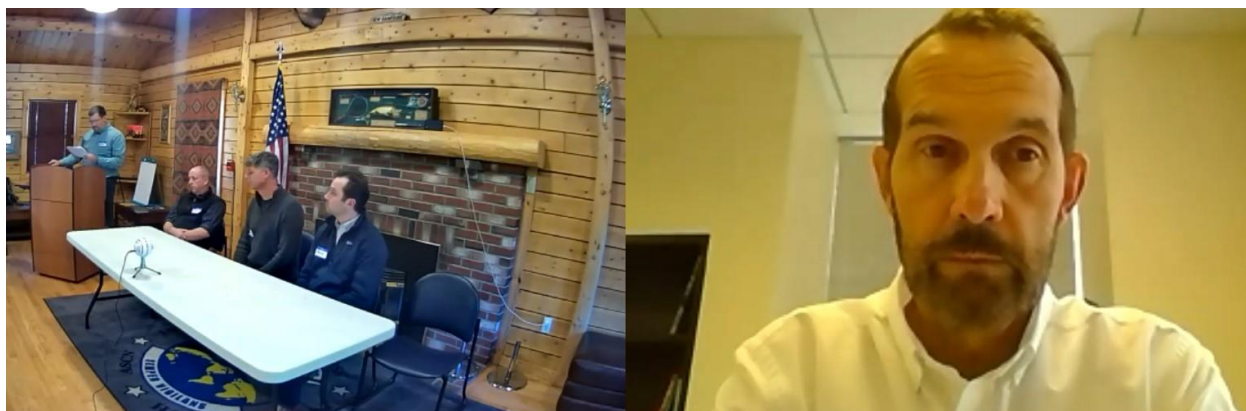
Panel 3: Ms. Holmes reads welcome letter to audience from NH Senator Maggie Hassan: (left to right) Moderator Joe Fontaine, Karen Cramton, Kerry Holmes, Bob Hayden, Carrie Annand and Dan Wilson



(left to right) Karen Cramton, Kerry Holmes, Bob Hayden with (via Zoom) Carrie Annand and Dan Wilson



Panel 3 and prominent Joe English Hill at NBSFS



Panel 4: (left to right) Moderator Jason Aftanas, Mark Froling, Steve Walker, Greg Foote and Larry Price (Zoom)



Panel 4



